

FORM PTO 1449 (modified)		ATTY DOCKET NO. <b>03500.015726.</b>	APPLICATION NO <b>09/941,595</b>			
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <i>PTO</i> JC138		APPLICANT <b>Takeo Tsukamoto</b>				
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE <b>08/30/01</b>	GROUP <b>2879</b>			
Date Submitted to PTO: [DATE]		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JK</i>	<b>5,982,091</b>	<b>11/99</b>	<b>Konishi</b>	<b>313</b>	<b>495</b>	
	<b>2002/0031972 A1</b>	<b>03/02</b>	<b>Kitamura et al.</b>	<b>445</b>	<b>3</b>	<b>08/29/01</b>
	<b>6,400,091 B1</b>	<b>06/02</b>	<b>Deguchi et al.</b>	<b>315</b>	<b>169.1</b>	<b>03/14/00</b>
	<b>6,472,814 B1</b>	<b>10/02</b>	<b>Yamanobe et al.</b>	<b>313</b>	<b>495</b>	<b>11/13/98</b>
	<b>5,872,422</b>	<b>02/99</b>	<b>Xu et al.</b>	<b>313</b>	<b>311</b>	
	<b>6,087,765</b>	<b>07/00</b>	<b>Coll et al.</b>	<b>313</b>	<b>309</b>	
	<b>2002/0009637A1</b>	<b>01/02</b>	<b>Murakami et al.</b>	<b>429</b>	<b>213</b>	<b>02/05/01</b>
	<b>5,773,921</b>	<b>06/30/98</b>	<b>Keesman et al.</b>	<b>313</b>	<b>309</b>	
	<b>5,935,639</b>	<b>8/10/99</b>	<b>Sullivan et al.</b>	<b>427</b>	<b>78</b>	
	<b>4,956,578</b>	<b>9/11/90</b>	<b>Shimizu et al.</b>	<b>315</b>	<b>3</b>	
	<b>5,185,554</b>	<b>2/9/93</b>	<b>Nomura et al.</b>	<b>313</b>	<b>495</b>	
	<b>6,448,709</b>	<b>9/02</b>	<b>Chuang et al.</b>	<b>313</b>	<b>497</b>	
	<b>6,204,597</b>	<b>03/01</b>	<b>Xie et al.</b>	<b>313</b>	<b>310</b>	
	<b>5,577,943</b>	<b>11/96</b>	<b>Vickers et al.</b>	<b>445</b>	<b>24</b>	
	<b>2002/136896</b>	<b>09/26/00</b>	<b>Takikawa et al.</b>	<b>428</b>	<b>408</b>	<b>05/06/02</b>
	<b>5,192,240</b>	<b>03/09/93</b>	<b>Komatsu</b>	<b>445</b>	<b>24</b>	
	<b>5,214,346</b>	<b>05/25/93</b>	<b>Komatsu</b>	<b>313</b>	<b>309</b>	
	<b>5,382,867</b>	<b>01/17/95</b>	<b>Maruo et al.</b>	<b>313</b>	<b>309</b>	
	<b>5,612,587</b>	<b>03/18/97</b>	<b>Itoh et al.</b>	<b>313</b>	<b>309</b>	
	<b>6,313,572 B1</b>	<b>11/06/01</b>	<b>Yamada</b>	<b>313</b>	<b>310</b>	<b>02/04/99</b>
	<b>6,135,839</b>	<b>10/24/00</b>	<b>Iwase et al.</b>	<b>445</b>	<b>24</b>	<b>01/25/99</b>
EXAMINER <i>JK</i>		DATE CONSIDERED <i>10/23/03</i>				

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		08/30/01	2879			
U. S. PATENT DOCUMENTS						
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<i>MM</i>	6,283,812 B1	09/01	Jin et al.	445	24	
	2001/0006232	07/05/01	Choi et al.	257	10	
	4,816,289	03/89	Komatsu et al	423	447.3	
	5,443,859	08/95	Nagata	427	122	
	5,618,875	04/97	Baker et al.	524	495	
	5,690,997	11/97	Grow	427	249.1	
	6,129,602	10/00	Yamanobe	445	24	
	6,228,904	05/01	Yadav et al.	523	210	
	6,333,016	12/01	Resasco et al.	423	447.3	09/03/99
	6,413,487	07/02	Resasco et al.	423	447.3	06/02/00
	6,445,006	09/02	Brandes et al.	257	76	07/27/99
	5,981,305	11/99	Hattori	438	20	
	6,290,564	9/01	Talin et al.	445	50	09/30/99
	5,458,784	10/95	Baker et al.	210	674	
	6,331,690 B1	12/01	Yudasaka et al.	219	121.6	05/03/00
	5,965,267	10/99	Nolan et al.	428	408	
	6,309,612 B1	05/02	Kotaki et al.	347	85	08/25/00
	5,872,541	02/99	Yoshioka et al.	345	74.1	
<i>W</i>	5,543,684	08/96	Kumar et al.	313	495	
EXAMINER	<i>MM</i>		DATE CONSIDERED	10/22/02		

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	<b>0 535 953 B1</b>	<b>01/96</b>	<b>EPO</b>	<b>H01J</b>	<b>1/30</b>	<b>English</b>
	<b>0 290 026 B1</b>	<b>02/93</b>	<b>EPO</b>	<b>H01J</b>	<b>3/02</b>	<b>English</b>
	<b>1 122 344 A2</b>	<b>08/01</b>	<b>EPO</b>	<b>D01F</b>	<b>9/127</b>	<b>English</b>
	<b>WO 01/93292 A1</b>	<b>12/01</b>	<b>PCT</b>	<b>H01J</b>	<b>1/304</b>	<b>English</b>
	<b>WO 89/07163</b>	<b>08/10/89</b>	<b>Japan</b>	<b>D01F</b>	<b>9/12</b>	<b>English</b>
	<b>WO 90/07023</b>	<b>06/28/90</b>	<b>PCT</b>	<b>D01F</b>	<b>9/12</b>	<b>English</b>
	<b>08-115652</b>	<b>05/07/96</b>	<b>Japan</b>	<b>H01J</b>	<b>1/30</b>	<b>Abst. &amp; Trans.</b>
	<b>0 758 028 A2</b>	<b>02/12/97</b>	<b>EPO</b>	<b>D01F</b>	<b>9/127</b>	<b>English</b>
	<b>0 758 028 B1</b>	<b>09/11/02</b>	<b>EPO</b>	<b>D01F</b>	<b>9/127</b>	<b>English</b>
	<b>WO 98/05920</b>	<b>02/12/98</b>	<b>PCT</b>	<b>G01B</b>	<b>7/34</b>	<b>English</b>
	<b>0 394 698 A2</b>	<b>10/31/90</b>	<b>EPO</b>	<b>H01J</b>	<b>1/30</b>	<b>English</b>
	<b>2000/277003</b>	<b>10/06/00</b>	<b>Japan</b>	<b>H01J</b>	<b>9/02</b>	Counterpart U.S. Patent 2002/136896
	<b>0 797 233 A2</b>	<b>09/24/97</b>	<b>EPO</b>	<b>H01J</b>	<b>1/30</b>	<b>English</b>
	<b>0 980 089 A1</b>	<b>02/16/00</b>	<b>EPO</b>	<b>H01J</b>	<b>1/30</b>	<b>English</b>
	<b>0 986 084 A2</b>	<b>03/15/00</b>	<b>EPO</b>	<b>H01J</b>	<b>1/30</b>	<b>English</b>
	<b>1 117 118 A1</b>	<b>07/18/01</b>	<b>EPO</b>	<b>H01J</b>	<b>1/312</b>	<b>English</b>
	<b>0 716 439 A1</b>	<b>06/12/96</b>	<b>EPO</b>	<b>H01J</b>	<b>3/02</b>	<b>English</b>
EXAMINER	<i>[Signature]</i>		DATE CONSIDERED	<i>10/23/03</i>		

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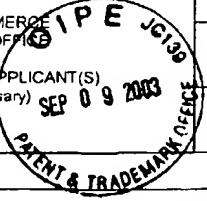
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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			ATTY DOCKET NO. <b>03500.015726.</b>	APPLICATION NO. <b>09/941,595</b>		
			APPLICANT <b>Takeo Tsukamoto</b>			
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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<i>MM</i>	2-112125	04/24/90	JAPAN	H01J	1/30	Abst. & Counterpart U.S. Patent 4,956,578
	3-20941	01/29/91	JAPAN	H01J	31/12	Abst. & Counterpart U.S. Patent 5,185,554
	5-211029	08/20/93	JAPAN	H01J	1/30	No
	8-264109	10/11/96	JAPAN	H01J	1/30	Abst.
	9-82214	3/28/97	JAPAN	H01J	1/30	Abst. & European Equivalent 0 718 439
	1 113 478 A1	07/01	EPO	H01J	3/02	English
	09-188600	07/22/97	Japan	C30B	29/62	Abst.
	A1 443 865	08/28/91	EPO	H01J	21/10	English
	04-212236	08/03/92	Japan	H01J	1/30	Counterpart U.S. Patents 5,192,240, 5,214,348 & EP 0 443 865
	03-295131	12/26/91	Japan	H01J	1/30	Counterpart U.S. Patents 5,192,240, 5,214,348 & EP 0 443 865
	05-159696	06/25/93	Japan	H01J	1/30	Counterpart U.S. Patents 5,382,867 & EP 0 535 953
	05-198253	08/06/93	Japan	H01J	1/30	Counterpart U.S. Patents 5,382,867 & EP 0 535 953
<i>U</i>	05-274997	10/22/93	Japan	H01J	1/30	Abst. & Counterpart U.S. Patent 5,612,587
EXAMINER <i>2000-02-27</i>			DATE CONSIDERED <i>10/23/01</i>			

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<i>TM</i>	11-232997	08/27/99	Japan	H01J	1/30	Counterpart U.S. Patent 6,313,872 & EP 0 936 650
	A1 936 650	08/18/99	EPO	H01J	3/02	English
	10-289650	10/27/98	Japan	H01J	1/30	Counterpart U.S. Patent 6,135,839 & EP 0 871 195
	A1 871 195	10/14/98	EPO	H01J	1/30	English
	0 614 209 A1	9/94	EPO	H01J	31/12	English
	7-6714	1/95	Japan	H01J	31/12	Abst. & European Counterpart 0 614 209
	0 290 026 A1	11/88	EPO	H01J	3/02	English
	0 535 953 A2	4/93	EPO	H01J	1/30	English
	1 022 763 A1	7/00	EPO	H01J	9/02	English
	2000-223005	8/00	Japan	H01J	1/304	Abst. & Counterpart U.S. Patent 6,283,812
	0 836 217 A1	04/98	EPO	H01J	29/94	English
	WO 99/58748	11/99	PCT	D01F	9/127	English
	CN 1181607A	5/98	China			English Counterparts 0 836 217 & 99/58748
	1 187 161 A2	03/13/02	EPO	H01J	3/02	English
	1 102 299 A1	5/01	EPO	H01J	1/30	English
	1 096 533 A1	5/01	EPO	H01J	9/02	English
	WO 01/26130 A1	4/01	WIPO	H01J	9/20	English
EXAMINER	<i>Mark A. C.</i>		DATE CONSIDERED	10/13/07		

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<i>TM</i>	GB 2 308 495 A	6/97	UK	H01J	1/20	English
	1 120 877 A1	8/01	EPO	H02G	5/06	English
	1-309242	12/89	Japan	H01J	37/06	Abst.
	11-162334	6/99	JAPAN	H01J	9/02	Abst.
	2000-57934	2/00	JAPAN	H01J	1/304	Abst.
	2000-86216	3/00	JAPAN	C01B	31/02	Abst.
	2000-90809	3/00	JAPAN	H01J	1/304	Abst.
	2001-288625 A	10/01	Japan	D01F	9/127	Abst., Counterpart U.S. Patent 2002/0009637 & EP 1 122 344
	0 433 507 A1	6/91	EPO	D01F	9/127	English
	03-260119	11/91	Japan	D01F	9/127	Abst. & Counterpart U.S. Patent 4,900,483
	2001-52598	2/01	Japan	H01J	1/316	Abst.
	2000-95509	4/00	Japan	C01B	31/02	Abst.
	0 451 208 B1	3/00	EPO	D01F	9/12	English
	2000-208028	7/00	Japan	H01J	1/304	Abst.
	0 936 650 A1	8/99	EPO	H01J	3/02	English
	08-298068	11/96	Japan	H01J	1/30	Abst.
	2001-162600	06/19/01	Japan	B82B	1/00	Abst.
<i>V</i>	0 913 508 A3	5/99	EPO	D01F	9/127	English
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			2879
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
<p><i>TM</i></p> <p>R.T.K. Baker et al., "Formation of Carbonaceous Deposits from the Platinum-Iron Catalyst and Decomposition of Acetylene," 37 J. Catal. 101-105 (1975).</p>			
<p><i>TM</i></p> <p>R.T.K. Baker, "Catalytic Growth of Carbon Filaments," 27 (3) Carbon 315-323 (1989).</p>			
<p><i>TM</i></p> <p>S. Iijima, "Helical Microtubules of Graphitic Carbon," Nature, Vol. 345, 56-58 (1991).</p>			
<p><i>TM</i></p> <p>T. W. Ebbesen et al., "Large-Scale Synthesis of Carbon Nanotubes," Nature, Vol. 358, 220-222 (1992).</p>			
<p><i>TM</i></p> <p>W. A. DeHeer et al., "Aligned Carbon Nanotube Films: Production and Optical and Electronic Properties," Science Vol. 268, 845-847 (1995).</p>			
<p><i>TM</i></p> <p>T. Guo et al., "Catalytic Growth of Single-Walled Nanotubes by Laser Vaporization," Chem Phys. Lett., Vol. 243, 49-54 (1995).</p>			
<p><i>TM</i></p> <p>A. G. Rinzler et al., "Unraveling Nanotubes: Field Emission from an Atomic Wire," Science, Vol. 269, 1550-1553 (1995).</p>			
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<p><i>TM</i></p> <p>T. Kyotani et al., "Preparation of Ultrafine Carbon Tubes in Nanochannels of an Anodic Aluminum Oxide Film," Chem. Mater., Vol. 8, 2109-2113 (1996).</p>			
<p><i>TM</i></p> <p>A. Thess et al., "Crystalline Ropes of Metallic Carbon Nanotubes," Science, Vol. 273 483-487 (1996).</p>			
<p><i>TM</i></p> <p>H. Dai et al., "Single-Wall Nanotubes Produced by Metal-Catalyzed Disproportionation of Carbon Monoxide," Chem. Phys. Lett., Vol. 260, 471-475 (1996).</p>			
<p><i>TM</i></p> <p>H. Dai et al., "Nanotubes as Nanoprobes in Scanning Probe Microscopy," Nature, Vol. 384, 147-150 (1996).</p>			
<p><i>TM</i></p> <p>A. C. Dillon et al., "Storage of Hydrogen in Single-Walled Carbon Nanotubes," Nature, Vol. 386, 377-379 (1997).</p>			
<p><i>TM</i></p> <p>W.P. Dyke et al., "Field Emission", Advances in Electronics and Electron Physics, Vol. 8, (1956) pp. 89-185</p>			
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
<i>TC</i>	<b>C.A. Mead, "Operation of Tunnel-Emission Devices", <i>Journal of Applied Physics</i>, Vol. 32, No. 4, (1961), pp. 646-652</b>		
	<b>Toshiaki Kusunoki et al., "Fluctuation-Free Electron Emission from Non-Formed Metal-Insulator-Metal (MIM) Cathodes Fabricated by Low Current Anodic Oxidation", <i>Japanese Journal of Applied Physics</i>, Vol. 32 No. 11B, (1993), p. L1695-1697</b>		
	<b>M.I. Elinson et al., "The Emission of Hot Electrons and the Field Emission of Electrons from Tin Oxide", <i>Radio Engineering and Electronic Physics</i>, (1965) pp. 1290-1296</b>		
	<b>G. Dittmer, "Electrical Conduction and Electron Emission of Discontinuous Thin Films", <i>Thin Solid Films</i>, Vol. 9, (1972) pp. 317-329</b>		
	<b>M. Hartwell et al., "Strong Electron Emission from Patterned Tin-Indium Oxide Thin Films", <i>IEEE Trans. Ed. Conf.</i>, (1983) pp.519-521</b>		
	<b>Hisashi Araki et al., "Electroforming and Electron Emission of Carbon Thin Films, <i>Journal of the Vacuum Society of Japan</i>, 1983 (with English Abstract on p. 22)</b>		
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	<b>W. Zhu et al., <i>Electron Field Emission From Nanostructured Diamond and Carbon Nanotubes</i>, <i>Solid State Electronics</i>, Vol. 45, 2001, pp. 921-928</b>		
	<b>J.M. Bonard et al., <i>Field Emission From Carbon Nanotubes: The First Five Years</i>, <i>Solid State Electronics</i>, Vol. 45, 2001, pp. 893-914</b>		
	<b>A.M. Rao et al., "In Situ-grown Carbon Nanotube Array of with Excellent Field Emission Characteristics," <i>Applied Physics Letter</i>, Vol. 76, No. 25, pp. 3813-3815 (2000).</b>		
	<b>Cheol Jin Lee et al., "Carbon Nanofibers Grown on Sodalime Glass at 500 °C Using Thermal Chemical Vapor Deposition," <i>Chemical Physics Letters</i> 340, pp. 413-418 (2001).</b>		
	<b>Sashiro Uemura et al., "Carbon Nanotube FED with Graphite-Nano-Fiber Emitters," <i>ISSN</i> 1083-1312, pp. 398-401.</b>		
<i>✓</i>	<b>Q. H. Wang et al., "A Nanotube-Based Field-Emission Flat Panel Display," <i>Applied Physics Letters</i>, Vol. 72, No. 22, June 1998, pp. 2912-2913</b>		
EXAMINER <i>✓</i>	DATE CONSIDERED <i>10/23/03</i>		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.